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PATENTS

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Kim et al. )  
Serial No.: 10/620,477 ) Examiner: Tuan Thieu Lam  
Filed: July 15, 2003 ) Art Unit: 2816  
For: Adaptive Noise Filtering and ) Confirmation No. 8614  
Equalization for Optimal High )  
Speed Multilevel Signal Decoding )

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**INFORMATION DISCLOSURE STATEMENT**

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Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

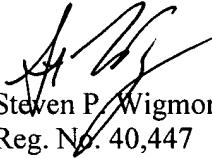
July 20, 2004

Sir:

The citation of information on the attached Form PTO-1449, "List of Art Cited by Applicant" is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. A copy of each cited item is enclosed.

Pursuant to 37 CFR § 1.97(e), the undersigned hereby certifies that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior than the filing of this Information Disclosure Statement.

Respectfully submitted,

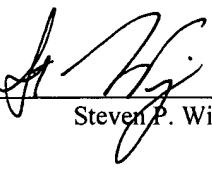


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K&S Docket: 07982.105018 US  
3531527

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on July 20, 2004.



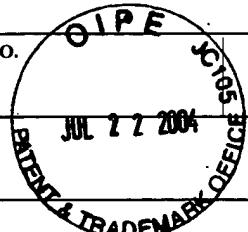
Steven P. Wigmore, Reg. No. 40,447

FORM PTO-1449, Adapted

**LIST OF INFORMATION DISCLOSED BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO. 07982.105018	SERIAL NO. 10/620,477	FILING DATE July 15, 2003
APPLICANT Kim et al.		GROUP 2816

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	4,580,263	04/01/86	Watanabe et al.			10/21/83
AB	5,621,764	04/15/97	Ushirokawa et al.			6/21/95
AC	5,751,726	05/12/98	Kim, You Taeg			8/9/95
AD	5,790,595	8/04/98	Benthin et al.			9/5/95
AE	5,968,198	10/19/99	Hassan et al.			8/16/96
AF						
AG						
AH						
AI						
AJ						
AK						

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION YES      NO.
AL	WO 2004/045078 A2	5/27/04	PCT	Kim et al.	
AM					
AN					
AO					

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**

AP	International Search Report for PCT Application No. PCT/US03/35887 dated June 4, 2004.
AQ	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.